This listing of claims will replace all prior versions, and listings, of claims in the application:

## **Listing of Claims:**

Claim 1 (Currently amended): An actuator A control apparatus for moving an intraluminal shaft of a medical device, the actuator apparatus comprising:

a housing having a <u>longitudinally extending</u> channel through at least a portion thereof, said channel having at least a first <u>surface</u> substantially inclined <u>along a longitudinal direction</u> surface therein; and

with first and second spaced-apart jaws disposed in the channel, the jaws being by a pivot coupled to said housing, said actuator assembly having first and second spaced apart jaws adapted for releasably gripping the a shaft extending longitudinally through the channel, said spaced apart jaws extending into said channel, said first and second jaws defining an opening of a first dimension therebetween for receiving the shaft, said actuator being movable to urge assembly for urging at least one of said first and second jaws against longitudinally along at least said first substantially inclined surface to transition said first dimension to a second dimension adapted to grip the shaft, whereby continued movement of the actuator may cause longitudinal movement of the shaft.

Claim 2 (Currently amended): The actuator apparatus according to claim 1, wherein said second dimension is smaller than said first dimension.

Claim 3 (Currently amended): The actuator apparatus according to claim 2, wherein the second dimension of said opening corresponds to a gripping dimension between said first and second spaced-apart jaws, and said first dimension corresponds to a release dimension between said first and second spaced-apart jaws.

Claim 4 (Currently amended): The actuator apparatus according to claim 3, wherein said channel comprises:

- a release region;
- a first gripping region; and

a first transition region between said release region and said gripping region, said first transition region including said first substantially inclined surface.

Claim 5 (Currently amended): The actuator apparatus according to claim 4, wherein said release region has a width greater than an outside width of said first and second spaced-apart jaws.

Claim 6 (Currently amended): The actuator apparatus according to claim 5, wherein said first gripping region has a width substantially equal to said outside width of said first and second spaced-apart jaws.

Claim 7 (Currently amended): The actuator apparatus according to claim 4, wherein said first substantially inclined surface comprises a curved surface.

Claim 8 (Currently amended): The actuator apparatus according to claim 4, wherein said first transition region further comprises at least a second substantially inclined surface, said first and second inclined surfaces for engaging said spaced-apart jaws respectively to reduce said first dimension.

Claim 9 (Withdrawn-currently amended): The actuator apparatus according to claim 8, wherein said first transition region and said first gripping region extend in a first direction from said release region and further comprising:

a second gripping region; and

a second transition region between said release region and said second gripping region, said second transition region and gripping region extending from said release region in a second direction substantially opposite said first direction.

Claim 10 (Currently amended): The actuator apparatus according to claim 1, wherein said channel has at least one surface positioned to limit motion of said actuator assembly.

Amd. Dated: September 20, 2007

Reply to Office Action mailed June 26, 2007

Claim 11 (Currently amended): An actuator A control apparatus for moving a medical shaft of an intraluminal medical device in a first, longitudinal direction, the actuator apparatus comprising:

a housing having a <u>longitudinally extending</u> channel through at least a portion thereof and having at least a first substantially inclined surface <u>substantially inclined along a longitudinal</u> <u>direction</u> in said channel <u>being dimensioned to receive</u>, said channel for receiving an end portion of said medical shaft therein; and

an actuator assembly pivotably movably mounted in to said housing by a pivot coupled to said housing and having a portion with first and second spaced-apart jaws extending into said channel, said first and second spaced apart the jaws defining an opening therebetween for receiving and releasably gripping said medical shaft, said channel further comprising:

- a release region wherein said spaced-apart jaws do not engage said medical shaft;
- a first engagement region wherein said spaced-apart jaws grip said medical shaft; and
- a first transition region between said release region and said first engagement region for urging said spaced-apart jaws into engagement with said medical shaft.

Claim 12 (Currently amended): An actuator apparatus according to claim 11, wherein said first transition region comprises first and second substantially opposed inclined surfaces separated by a first dimension proximate said release region and separated by a second dimension proximate said first engagement region, said second dimension being smaller than said first dimension.

Claim 13 (Currently amended): An actuator apparatus according to claim 12, wherein movement of said first and second spaced apart jaws in a first direction causes said first and second spaced-apart jaws to move from said release region, through said first transition region to grip said medical shaft, and into said first engagement region to translationally move said medical shaft in said first direction.

Claim 14 (Withdrawn-currently amended): An actuator apparatus according to claim 13, wherein said first transition region and said first engagement region extend in a first direction from said release region and further comprising:

Amd. Dated: September 20, 2007

Reply to Office Action mailed June 26, 2007

a second engagement region; and

a second transition region between said release region and said second engagement region, said second transition region and said second engagement region extending from said release region in a second direction substantially opposite said first direction.

Claim 15 (Withdrawn-currently amended): An actuator apparatus according to claim 14, wherein movement of said spaced-apart jaws in said second direction causes said spaced-apart jaws to move from said release region, through said second transition region to grip said shaft and into said second engagement region to translationally move said shaft in said second direction.

Claim 16 (Withdrawn-currently amended): A method for moving an intraluminal shaft along a first direction, the method comprising the steps of:

aligning said intraluminal shaft between spaced-apart jaws of a pivotable movable actuator assembly;

pivoting moving said actuator assembly in a first direction to urge while urging at least one of said spaced-apart jaws against at least a first deflecting surface eausing to cause said spaced-apart jaws to grip said intraluminal shaft; and

further pivoting continuing movement of said actuator assembly in said first direction to move said intraluminal shaft in said first direction.

Claim 17 (Withdrawn-currently amended): A method according to claim 16 further comprising:

pivoting moving said actuator assembly in a second, opposite direction to urge said spaced-apart jaws against at least a second deflecting surface causing said spaced-apart jaws to grip said intraluminal shaft; and

further pivoting continuing movement of said actuator assembly in said second direction to move said intraluminal shaft in said second direction.

Amd. Dated: September 20, 2007

Reply to Office Action mailed June 26, 2007

Claim 18 (Withdrawn-currently amended): A control handle apparatus for moving a first intraluminal shaft configured for telescopic movement with respect to a second intraluminal shaft, the control handle apparatus comprising:

a housing having a <u>longitudinally extending</u> channel through at least a portion thereof, said channel having at least a first <u>surface</u> substantially inclined <u>surface therein</u> <u>along a longitudinal direction</u>, said channel <u>for receiving being receptive to</u> a portion of said first intraluminal shaft and a portion of said second intraluminal shaft therein, said housing having a longitudinal axis, a first end, and a second end;

a clamp disposed within said housing and configured to prevent movement of said first intraluminal shaft parallel to said axis; and

a first actuator assembly pivotably coupled to said housing and having first and second spaced-apart jaws extending into said channel, said first and second spaced apart jaws defining an opening therebetween for receiving said second intraluminal shaft therethrough, said channel comprising:

a release region, wherein said interior surfaces of the channel do not deflect said spacedapart jaws toward closure;

a first engagement region, wherein at least one interior surface of said channel deflects said spaced apart jaws to grip said second intraluminal shaft; and

a first transition region between said release region and said first engagement region for urging said spaced-apart jaws into engagement with said second intraluminal shaft as said first actuator pivots.

Claim 19 (Withdrawn-currently amended): An actuator apparatus according to claim 18, wherein said first transition region and said first engagement region extend in a first direction from said release region and further comprising:

a second engagement region; and

a second transition region between said release region and said second engagement region, said second transition region and said second engagement region extending from said release region in a second direction substantially opposite said first direction.

Amd. Dated: September 20, 2007

Reply to Office Action mailed June 26, 2007

Claim 20 (Withdrawn-currently amended): An actuator apparatus according to claim 18, wherein movement of said spaced-apart jaws in said second direction causes said spaced-apart jaws to move from said release region, through said second transition region to grip said second intraluminal shaft and into said second engagement region to translationally move said second intraluminal shaft in said second direction.

Claim 21 (Withdrawn-currently amended): An actuator apparatus according to claim 18, wherein said first intraluminal shaft is an outer hollow member and said second intraluminal shaft is an inner member coaxially moveable within said outer hollow member.

Claim 22 (Withdrawn-currently amended): An actuator apparatus according to claim 18 wherein said second intraluminal shaft is an outer hollow member and said first intraluminal shaft is an inner member coaxially moveable within said outer hollow member.